ABSTRACT

Abrasion-resistant coating composition, process for making such coating composition and article coated therewith.

 $\begin{tabular}{lll} The & coating & composition & according & to & the & invention \\ comprises: & & & \\ \end{tabular}$

 $(A) \ a \ component \ which \ is \ the \ reaction \ product \ with \ oxalic \\ acid \ of \ at \ least \ one \ organometallic \ compound \ of \ formula:$

1.

$$R^{1}_{.y}$$
 -M (OR)_{x-y} (I)

wherein, M is a metal R is H or an alkyl radical, R^1 is a chelating ligand, x is the valency of the metal, y is an integer at least equal to 1 and x-y is at least equal to 1; and

(B) at least one organoalkoxysilane of formula:

$$R_n^3$$
 Si $(OR^2)_{4-n}$ (II)

wherein, R^2 is an alkyl radical, R^3 is an epoxidized alkyl group and n is an integer from 1 to 3 or a mixture of the organoalkoxysilane of formula (II) with an alkoxysilane of formula (II)

$$R'_{n'}\,Si(OR'')_{4\text{-}n'}\,\left(\Pi'\right)$$

wherein n' is an integer from 0 to 3,

R" is H, an alkyl radical or an alkoxyalkyl radical, and

R' is a vinyl, (meth)acryl, aromatic, cyclic or aliphatic alkyl radical.

Application for making abrasion-resistant coating on plastic ophtalmic lenses.